

PATENT ABSTRACTS OF JAPAN

(11)Publication number : 10-126980

(43)Date of publication of application : 15.05.1998

(51)Int.Cl.

H02J 9/06

H02J 3/01

H02J 7/34

H02M 7/48

H02M 7/72

(21)Application number : 08-274303

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(22)Date of filing : 17.10.1996

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(54) CONTROL CIRCUIT OF UNINTERRUPTIBLE POWER UNIT

(57)Abstract:

PROBLEM TO BE SOLVED: To provide a control circuit which surely detects the misfire of the semiconductor switch in an uninterruptible power unit which supplies load with power through the semiconductor switch usually from a commercial power source and supplies load with power from an inverter in the commercial power failure.

SOLUTION: An uninterruptible power unit 20 is equipped with transformers 21 and 22 which detect the voltage of each terminal at both ends of a semiconductor switch 11, and a misfire detection circuit 23, and when the deviation between the several secondary voltages of the transformers 21 and 22 gets over a predetermined this judges that the semiconductor switch 11 has misfired, and arc-extinguishing the semiconductor switch 11 and supplies load 2 with power from a multifunction inverter 13.

